

L12 ANSWER 18 OF 35 HCPLUS COPYRIGHT 2002 ACS

AN 1992:107933 HCPLUS

DN 116:107933

**TI Ethylene-vinyl alcohol copolymer and  
thermoplastic polyurethane blend composition  
for Freon gas hoses**

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SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP 03255288 A2 19911114 JP 1990-52293 19900302

AB Title compn. comprises .gtoreq.1 layer of a mixt. of 30-95% ethylene (20-60%)-vinyl alc. (I) copolymer and 5-70% thermoplastic polyurethane. A hose, prepd. from a mixt. of 80% 32:68 ethylene-I copolymer and 20% a polyester-polyurethane as inner layer and EPDM rubber as outer layer, showed Freon 22 permeability <1 mL/m<sup>2</sup>-day-atm and pressure retention 1.7 kg-G after operation for 2000 h, vs. <1 and 1, resp., for a similar hose not contg. the polyester-polyurethane in the inner layer.

IC ICM F16L011-04

ICS B29D023-22; B32B001-08; B32B027-28; B32B027-40; F16L011-08

CC 38-3 (Plastics Fabrication and Uses)

ST ethylene copolymer blend polyurethane hose; vinyl alc copolymer blend hose; Freon hose plastic; polyester polyurethane blend hose

IT Hoses

(ethylene-vinyl alc. copolymer and thermoplastic polyurethane blends for, for Freon gases)

IT Rubber, synthetic

RL: USES (Uses)

(EPDM, hoses contg. outer layers of, and ethylene-vinyl alc. polymer-polyurethane blend inner layers, for Freon gas)

IT Urethane polymers, uses

RL: USES (Uses)

(polyester-, ethylene-vinyl alc. copolymer blends, for Freon gas hoses)

IT 75-45-6, Freon 22

RL: USES (Uses)

(hoses for, ethylene-vinyl alc. copolymer and thermoplastic polyurethane blends as)

IT 74-85-1

RL: USES (Uses)

(rubber, EPDM, hoses contg. outer layers of, and ethylene-vinyl alc.  
polymer-polyurethane blend inner layers, for Freon gas)

IT 25067-34-9, Ethylene-vinyl alcohol

copolymer

RL: USES (Uses)

(thermoplastic polyurethane blends, for  
Freon hoses)